

IN THE CLAIMS:

1. (Currently amended) A cap for blocking an opening of a hollow fusion device defining a thru-hole, comprising:

an occlusion body sized and shaped for blocking the opening, said occlusion body including an outer surface, an inner surface, and an engaging surface extending from said inner surface toward said outer surface, said engaging surface configured to contact an inner surface of the fusion device around the opening, said occlusion body further including at least one aperture between said inner and outer surfaces sized to permit bone ingrowth through said occlusion body; and

a pair of elongated anchors ~~an elongate anchor~~ projecting from said inner surface of said occlusion body on opposite sides of said occlusion body, each of said anchors ~~said anchor~~ including a first end attached to said inner surface of said occlusion body at said engaging surface and an opposite second end having a lip for engaging the thru-hole, each of said anchors ~~said anchor~~ having a length between said first and second ends which reaches from said occlusion body to the thru-hole when the cap is inserted into the opening and said lip is engaged to said thru-hole when the thru-hole is spaced from the opening, wherein each of said anchors ~~said anchor~~ is resiliently deflectable relative to said occlusion body for insertion through said opening to engage the thru-hole of the fusion device.

2. (Currently amended) The cap of claim 1 further comprising a flange in communication with and connected with said outer surface, said flange wall projecting around said engaging surface of said occlusion body.

Claims 3-64 (cancelled)

65. (Previously presented) The cap of claim 1, wherein said outer surface is flat.

66. (Currently amended) The cap of claim 1, wherein each of ~~further comprising a second elongate anchor projecting from said occlusion body,~~ said elongate anchors extends extending transversely to said occlusion body and generally parallel to one another, said elongate anchors further each including an outwardly facing lip having a curved profile.

67. (Previously presented) The cap of claim 66, wherein said elongate anchors are resiliently moveable relative to said occlusion body.

68. (Previously presented) The cap of claim 1, wherein the cap is composed of a biocompatible polymer.

69. (Previously presented) The cap of claim 68, wherein said polymer is biodegradable.

70. (Previously presented) The cap of claim 1, wherein said occlusion body is composed of a porous material.

71. (Previously presented) The cap of claim 70, wherein said occlusion body defines an internally threaded tool engagement opening.

72. (Previously presented) The cap of claim 1, wherein said lip includes a curved profile.

73. (Currently amended) The cap of claim 1, wherein said occlusion body lies in a plane and each of ~~said elongate anchors~~ extends transversely to the plane.

Claim 74 (Cancelled)

75. (Currently amended) A cap for blocking an opening of a hollow fusion device, comprising:

an occlusion body sized and shaped for blocking the opening, said occlusion body including a flat outer surface wall-lying in a plane, an inner surface opposite said outer surface, wall, and an engaging surface extending from said inner surface toward said outer surface, wall, said engaging surface configured to contact an inner surface of the fusion device around the opening, said occlusion body further including at least one aperture between said inner and outer surfaces sized to permit bone ingrowth through said occlusion body; and

a pair of elongate anchors ~~an elongate anchor~~ projecting from said inner surface of said occlusion body in a direction transverse to the plane on opposite sides of said occlusion body, each of said anchors ~~said anchor~~ including a first end attached to said inner surface of said occlusion body at said engaging surface and an opposite second end, each of said anchors ~~said anchor~~ having a length which extends from said occlusion body to the second end, wherein said length and said second end are structured and configured to engage the fusion device at a location spaced from the plane and each of said anchors ~~said anchor~~ is resiliently deflectable relative to said occlusion body for insertion though the opening of the fusion device.

Claims 76-78 (Cancelled)

79. (Currently amended) The cap of claim 75, further comprising a flange in communication with and connected with said outer surface, said flange wall-projecting around said engaging surface of said occlusion body.

80. (Currently amended) The cap of claim 75, wherein each of said anchors projects further comprising a second elongate anchor projecting from said occlusion body in a direction transverse to the plane and parallel to the other elongate anchor.

81. (Previously presented) The cap of claim 80, wherein said elongate anchors are resiliently moveable relative to said occlusion body.

82. (Previously presented) The cap of claim 75, wherein said cap is composed of a biocompatible polymer.

83. (Previously presented) The cap of claim 82, wherein said polymer is biodegradable.

84. (Previously presented) The cap of claim 75, wherein said cap is composed of a porous material.

85. (Previously presented) The cap of claim 84, wherein said occlusion body defines an internally threaded tool engagement opening.

86. (Currently amended) The cap of claim 75, wherein each of anchors ~~said elongate anchor~~ includes a lip projecting outwardly therefrom, said lip including a curved profile.

87. (Currently amended) A cap for blocking an opening of a hollow fusion device, comprising:
an occlusion body sized including an outer surface, an opposite inner surface, and an engaging surface extending from said inner surface toward said outer surface with said occlusion body sized and shaped for blocking the opening, said occlusion body including at least one osteogenic aperture extending therethrough between said outer surface and said inner surface; and
a pair of elongate anchors ~~an elongate anchor~~ projecting from said inner surface and extending transversely to said occlusion body on opposite sides of said occlusion body, each of said anchors ~~said anchor~~ including a first end attached to said inner surface of said occlusion body at said engaging surface and an opposite second end, each of said anchors ~~said anchor~~ having a length which extends axially from said occlusion body to the second end, wherein each of said anchors ~~said anchor~~ is resiliently deflectable relative to said occlusion body for insertion through the opening of the fusion device with said length and said second end structured and configured to engage the fusion device at a location axially spaced from said occlusion body.

Claims 88-89 (Cancelled)

90. (Currently amended) The cap of claim 87, further comprising a flange in communication with and connected with said outer surface, said flange wall projecting around said engaging surface of said occlusion body.

91. (Currently amended) The cap of claim 87, wherein each of said anchors projects further comprising a second elongate anchor projecting from said occlusion body in a direction parallel to the other elongate anchor.

92. (Previously presented) The cap of claim 91, wherein said elongate anchors are resiliently moveable relative to said occlusion body.

93. (Previously presented) The cap of claim 87, wherein said cap is composed of a biocompatible polymer.

94. (Previously presented) The cap of claim 93, wherein said polymer is biodegradable.

95. (Previously presented) The cap of claim 87, wherein said cap is composed of a porous material.

96. (Previously presented) The cap of claim 87, wherein said occlusion body defines an internally threaded tool engagement opening.

97. (Currently amended) The cap of claim 87, wherein each of said anchors said elongate anchor includes a lip projecting outwardly therefrom, said lip including a curved profile.

98. (Currently amended) A cap for blocking an opening of a hollow fusion device, comprising:

an occlusion body sized and shaped for blocking the opening, said occlusion body being composed of a porous material and including an outer surface, an inner surface opposite said outer surface, and an engaging surface extending from said inner surface toward said outer surface, said engaging surface configured to contact an inner surface of the fusion device around the opening; and

a pair of elongate anchors ~~an elongate anchor~~ projecting from said inner surface and extending transversely to said occlusion body on opposite sides of said occlusion body, each of said anchors ~~said anchor~~ including a first end attached to said inner surface of said occlusion body at said engaging surface and an opposite second end, each of said anchors ~~said anchor~~ having a length which extends axially from said occlusion body to the second end, wherein each of said anchors ~~said anchor~~ is resiliently deflectable relative to said occlusion body for insertion through the opening of the fusion device with said length and said second end structured and configured to engage the fusion device at a location axially spaced from said occlusion body.

Claims 99-100 (Cancelled)

101. (Currently amended) The cap of claim 98, further comprising a flange in communication with and connected with said outer surface, said flange wall projecting outwardly from said engaging surface of said occlusion body.

102. (Currently amended) The cap of claim 98, wherein each of said anchors projects further comprising a second elongate anchor ~~projecting~~ from said occlusion body parallel to the other elongate anchor.

103. (Previously presented) The cap of claim 102, wherein said elongate anchors are resiliently moveable relative to said occlusion body.

104. (Previously presented) The cap of claim 103, wherein each of said elongate anchors includes a lip projecting outwardly therefrom, said lip including a curved profile.